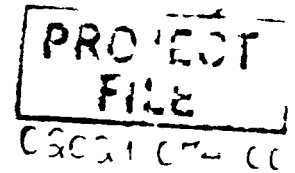


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215 UNION BOULEVARD SUITE 550
LAKEWOOD CO 80228 1842
303 980 6800 FAX 303 980 1622

2 June 1993

Ms Cindy Gee
EG&G Rocky Flats Inc
P O Box 464
Golden, Colorado 80402 0464

Subject Revisions to the Draft Phase III RFI/RI Report
EG&G 881 Hillside Area (Operable Unit Number 1)
Contractor Meeting Minutes 28 May 1993
Roy F Weston, Inc (WESTON) Work Order No 2029 074 001 0020

Dear Ms Gee

Attached are the minutes of the contractor meeting held Friday 28 May 1993 to discuss the revised schedule and data status Please do not hesitate to call if you have any questions or comments

Sincerely

ROY F WESTON INC

Janell B Bergman, P G CPG
Project Manager

Michael A. Anderson, Ph D P E
Project Director

cc M D Gibson (EG&G)
Project File (2029 74 01)



**CONTRACTOR MEETING MINUTES
REVISION OF THE PHASE III DRAFT RFI/RI REPORT
EG&G, OPERABLE UNIT NUMBER 1, ROCKY FLATS PLANT
HELD 28 MAY 1993**

Meeting Attendees

Cindy Gee Dennis Smith and Fred Harrington (EG&G)
Michael A. Anderson, Ph D P E Betty Freeman, and Janell B Bergman, P G CPG
(WESTON)
Fred Duncan (Dames and Moore) and Mark Lewis (Stoller)

Items Discussed

- 1 Schedule J Bergman distributed the revised schedule for milestone deliverables for the project based on a due date to the agencies of 15 November 1993 The schedule is attached J Bergman also distributed diskettes of numbered comments to Dames and Moore Stoller and EG&G
- 2 Data B Freeman distributed diskette copies of the cleaned up data set Cindy mentioned that EPA/CDH will want a 15 minute briefing on how the RFEDS data was cleaned up
- 3 Comparison to Background WESTON will compare data to background and determine the contaminant list M Anderson said that the comparisons to background could be completed by 11 June 1993 A sample table was distributed (attached) WESTON will distribute the data via diskette to Stoller and Dames and Moore at that time A meeting was scheduled for Friday June 4 1993 at WESTON at 3 00 between WESTON and EG&G to discuss the process for comparing to background A contractor meeting was scheduled for 3 30 on Friday, 11 June 1993 to distribute the data. EG&G WESTON Dames and Moore, and Stoller will attend ANOVA will only be used to decrease the contaminant of concern list.
- 4 EPA/CDH presentation. A meeting is scheduled for Wednesday 23 June 1993 between WESTON EPA, CDH DOE and CDH at 1 00 at WESTON to present the following site conceptual model comparisons to background (not contaminants of concern) nature and extent, and hydrogeology/geology In addition, a description of cleaning up the data set will be presented J Bergman is to provide EPA/CDH with a preview of the presentation (i e maps agenda, etc.) as appropriate
- 5 Deliverables J Bergman is to provide Dames and Moore and Stoller with a format package for deliverables during the 11 June 1993 meeting.
- 6 Comment Responses All will assume that responses being reviewed by EPA and CDH are appropriate and text revisions will be made accordingly Contractors will not wait for input from CDH and EPA before proceeding with text changes

7

WESTON received the following from EG&G

- Water balance
- EPA comments on the comment responses (no CDH comments as of this date)
- Quarterly report for the IM/IRA for information

**REVISED SCHEDULE
FINAL RFI/RI REPORT
881 HILLSIDE AREA, OPERABLE UNIT NUMBER 1**

<u>DELIVERABLE</u>	<u>DATE (1993)</u>
• Meeting with EG&G at WESTON at 3 00 to discuss comparison to background process	4 June
• WESTON distributes comparison to background tables and electronic deliverables to Stoller Corporation (SC) and Dames and Moore (DM) Meeting at WESTON at 3 30	11 June
• Stoller Corporation (SC) and Dames & Moore (DM) submit draft comment responses via diskette to WESTON	11 June
• WESTON submits completed draft comment responses to EG&G	15 June
• Submit all comment responses to EG&G	23 July
• SC and DM submit diskette version of Appendix E and F and comment responses to WESTON Submittal includes reproducible figure originals	16 August
• WESTON format/QA/reproduction period	16 August to 6 Sept
• WESTON submittal to EG&G for review	6 Sept
• EG&G review period (2 weeks)	6 to 20 Sept
• WESTON revision/QA/repro period	20 to 27 Sept
• WESTON submittal to DOE for review	27 Sept
• DOE review period (3 weeks)	27 Sept. to 18 Oct
• WESTON revision/QA (2 weeks)	18 Oct. to 1 Nov
• Reproduction period (2 weeks)	1 Nov to 15 Nov
• SUBMITTAL TO EPA AND CDH	15 NOVEMBER 1993

Note All contractors will assume that responses are appropriate. Contractors will not wait for input from EPA and CDH prior to proceeding with text revisions.

exceed 10

Contamination Statistical Summary
Colluvial Groundwater

over 1000

Analyte	Total # Observations	Total # Detections	Percent Detections	Minimum Concentration (units)	Maximum Concentration (units)	Minimum DL (units)	Maximum DL (units)	Mean Concentration (units)	Background* Concentration (units)	Observations Above Bkgd	% Observations Above Bkgd	Potential Contaminant
Volatiles	10	24	5	22 0	26 0	21 0	60 0	23 0	60 0	0	0	M
	10	5	7	3 0	7 0	2 0	10 0	4 3	12 5	0	0	M
	22	12702	23	2 0	12000 0	5 0	5 0	75069 7	5 0	12	55	Y
	13	27	<1	27 0	27 0	10 0	5000 0	242 3	10 0	1	8	Y
	13	14	0	14 0	14 0	10 0	5000 0	241 3	10 0	1	8	Y
Semi Volatiles	13	8	0	8 0	8 0	10 0	5000 0	240 8	10 0	0	0	M
	13	0	0	0 0	0 0	10 0	5000 0	244 4	10 0	0	0	M
	13	12	0	12 0	12 0	10 0	5000 0	241 1	10 0	1	8	Y
	10	0	0	0 0	0 0	4 0	5 0	2 3	25 0	0	0	M
	13	110	0	110 0	110 0	2 0	1000 0	50 0	1022 0	0	0	M
Metals	22	2	0	2 0	2 0	5 0	1000 0	5 0	25 0	0	0	M
	10	37	0	5 0	94 0	10 0	10 0	24 3	10 0	5	50	Y
	13	31	0	31 0	31 0	10 0	5000 0	242 6	10 0	1	8	Y
	10	19	0	6 0	41 0	50 0	50 0	21 8	780	0	0	M
	11	1199	0	33 0	6100 0	10 0	10 0	873 1	180	0	0	M
Radionuclides	5	150	0	28 0	334 0	10 0	10 0	121 3	20 4	1	20	Y
	13	0	0	0 0	0 0	10 0	5000 0	244 4	10 0	0	0	M
	10	22	0	4 0	37 0	3 0	30 3	9 1	50 0	0	0	M
	13	36	0	36 0	36 0	5 0	25000 0	1198 7	50 0	0	0	M
	13	37	0	2 0	100 0	10 0	5000 0	246 2	307 0	0	0	M
	13	562	0	5 0	1400 0	5 0	5 0	217 9	100 0	2	0	M
	22	2283	0	1 1	11000 0	5 0	5 0	1246 5	5 0	10	15	Y
	22	2283	0	1 1	11000 0	5 0	5 0	1246 5	5 0	10	0	M
	13	0	0	0 0	0 0	5 0	1000 0	51 9	5 0	0	0	M
	13	1147	0	6 0	3100 0	5 0	5 0	618 5	10 0	6	0	M

Mean calculated using one half the DL for non detections. Non detections greater than two times the CRDL are not used in computation.
 ** Background concentration represents upper tolerance interval or maximum concentration as reported in the Background Geochemical Characterization Report (EG&G 1992)
 *** If greater than 5% above background

limit of background